

IFSB's Prudential and Structural Islamic Financial Indicators (PSIFIs) Programme - Current Status and Future Direction

CONSULTATIVE MEETING ON DEVELOPING ISLAMIC FINANCIAL INDUSTRY DATABASE OF OIC MEMBER COUNTRIES

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Md. Salim Al Mamun

Member of Secretariat, Technical and Research



OUTLINE

1 IFSB'S MANDATE AND PSIFI PROGRAMME
2 EVOLUTION OF THE PROGRAMME: PREPARATION, TARGET, CAPACITY BUILDING, AND OUTPUT
3 WHY THE INDICATORS ARE IMPORTANT FOR ISLAMIC FINANCIAL SERVICES INDUSTRY?
4 WHAT ARE THE USES/IMPLICATIONS OF THE PSIFI DATA?
5 DATA GAPS IN ISLAMIC FINANCIAL SERVCIES INDUSTRY – A CASE FOR WORKING ON UNIQUE ELEMENTS
6 POSSIBLE COLLABORATION AND KEY TAKEAWAYS



IFSB'S MANDATE

 Serves as an international standard-setting body of regulatory and supervisory agencies that have vested interest in ensuring the soundness and stability of the Islamic financial services industry, which is defined broadly to include banking, capital market and *Takāful*

OBJECTIVES

- Develop standards & recommend implementation
- Provide guidance on effective supervision and regulation & develop risk management & disclosure criteria
- Establish cooperation with international standard-setting bodies & member countries
- Enhance and coordinate initiatives to develop instruments & procedures for efficient operation & risk management
- Encourage cooperation among member countries
- Facilitate capacity-building & development of human capital
- Undertake research
- o Establish database
- To this end, the work of the IFSB complements those of BCBS, IOSCO and IAIS

BCBS (Banking)

IOSCO (Capital Markets)

SPECIFICITIES
OF ISLAMIC
FINANCE



WHAT IS THE PSIFI DATABASE?

Prudential Core Indicators

Prudential Indicators

Prudential Structural Indicators

Core Prudential Islamic Financial Indicators" are the key indicators that are believed to best capture the strengths and vulnerabilities of the sector.

"Additional Prudential Islamic Financial Indicators" are recommended when they are relevant to a country and are feasible to collect.

"Structural Islamic Financial Indicators" are indications of the size and structure of the Islamic banking sector.

Objectives of the PSIFIs

- ☐ Facilitate the monitoring and analysis of the soundness and stability of the IFSI
- ☐ Strengthen the transparency and quality of data available
- ☐ Enhance international comparability of Islamic finance sectors within countries and across jurisdictions
- ☐ Facilitate assessment of the strengths and vulnerabilities of the Islamic banking system
- □ Support macroprudential oversight of the Industry

Compilation Methodologies

- Compilation Guide on PSIFIs, 2007
- Revised Compilation Guide on PSIFIs, 2011
- Supplement to Compilation Guide on PSIFIs, 2015
- Draft Compilation Guide on PSIFIs, 2017



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IFSB'S MANDATE AND PSIFI PROGRAMME

POSSIBLE COLLABORATION AND KEY TAKEAWAYS



EVOLUTION OF THE PROGRAMME: PREPARATION, AND DEVELOPMENT

Phase I: 2004-2007

Phase II: 2008-2013 Establishment of Task Forces for the project

Undertaking a pilot study on the compilation of data and developing a standardised reporting template

Organisation of capacity building programmes

Publication of Compilation Guide (2007, 2011) for the indicators

OUTCOMES

Achievements

A list of 35 indicators for banking sector

Data and metadata templates

Compilation Guides, 2007 and 2011

Identified practical challenging uses getting feedback on Compilation Guides

Identified emerging issues in regular data collection and compilation received from survey findings

Developed outreach programme by organising capacity building workshops

EVOLUTION OF THE PROGRAMME: IMPLEMENTATION AND ACHIEVEMENT

Phase III: 2014-2016







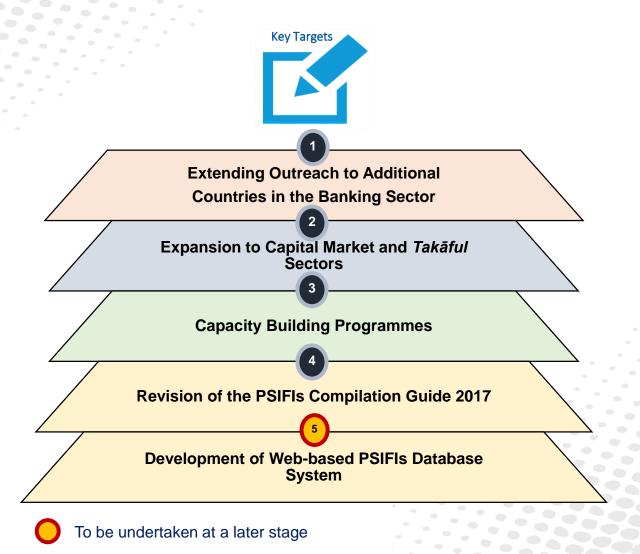
To start regular collection, compilation and dissemination of indicators on Islamic banking sector of member jurisdictions



Key Targets	Achievements
Targeted countries	Banking RSAs from 17 countries
Task Force	Representatives form 17 RSAs and IMF, IDB, ADB
Indicators	A list of 35 indicators along with breakdown indicators for banking sector
Revision of Compilation Guide	A Supplement to Compilation Guide (May 2015)A draft of revised Compilation Guide (on-going)
Capacity Building	Seven meetings of the Task Force
Collaboration	 The IMF, the IDB, and the ADB joined the Task Force. The IFSB and IMF had several meetings at the management level Organise a Joint IMF-IFSB-AMF Conference on Soundness Indicators
Dissemination platform	A dedicated PSIFIs web portal has been developed.
Data collection and dissemination	Regular PSIFIs data is being disseminated on the IFSB website. So fa dissemination covers ten quarters of data from Q4–2013 to Q3–2016.



PHASE IV (2017-2019)





KEY COMPONENTS OF PSIFIS PROJECT

Banking RSAs of 21 Countries

Region/ Group	Countries
	Indonesia
0.00	Saudi Arabia
G-20	Turkey
	UK*
	Bangladesh
Emerging &	Brunei Darussalam
developing	Iran
Asia	Malaysia
	Pakistan
Central Asia	Afghanistan
	Bahrain
	Jordan
	Kuwait
Maria di di Para	Lebanon*
Middle East	Oman
	Palestine*
	Qatar*
	United Arab Emirates
	Egypt
Africa	Nigeria
	Sudan
Total	21

Control adams	
Capital adequacy	- 4
Capital adequacy ratio	
Tier 1 capital to RWA	
Common equity Tier 1 capital to RWA	
Asset Quality	
Gross nonperforming financing (NPF) ratio	
Net NPF to capital	
Provisions for Gross NPF	
Earnings	
Return on Assets (ROA)	
Return on Equity (ROE)	
Net Profit Margin	
Cost to Income	
Leverage	
Capital to Assets	
Leverage	
Liquidity	
Liquid assets ratio	
Liquid assets to short-term liabilities	
Liquidity Coverage Ratio (LCR)	
Net Stable Funding Ratio (NSFR)	
Sensitivity to Risks	
Net FX open position to capital	
Large exposures to capital	
Growth of financing to the private sector	



Additional Indicators

Income distributed to IAH out of total income from assets funded by PSIA

Total off-balance-sheet items to total assets

Foreign-currency denominated funding to total funding (excluding interbank)

Foreign-currency denominated financing to total financing (excluding interbank)

Value of Sukūk holdings to capital

Value (or percentage) of *Sharī`ah*-compliant financing by economic activity

Value (or percentage) of gross NPF by economic activities

Value (or percentage) of returns by major type of Sharī`ah-compliant contract

Structural Indicators

Number of Islamic banks/ Islamic windows

Number of employees

Total assets

Total funding/liabilities and equities

Total Revenues

Earnings before taxes and Zakat

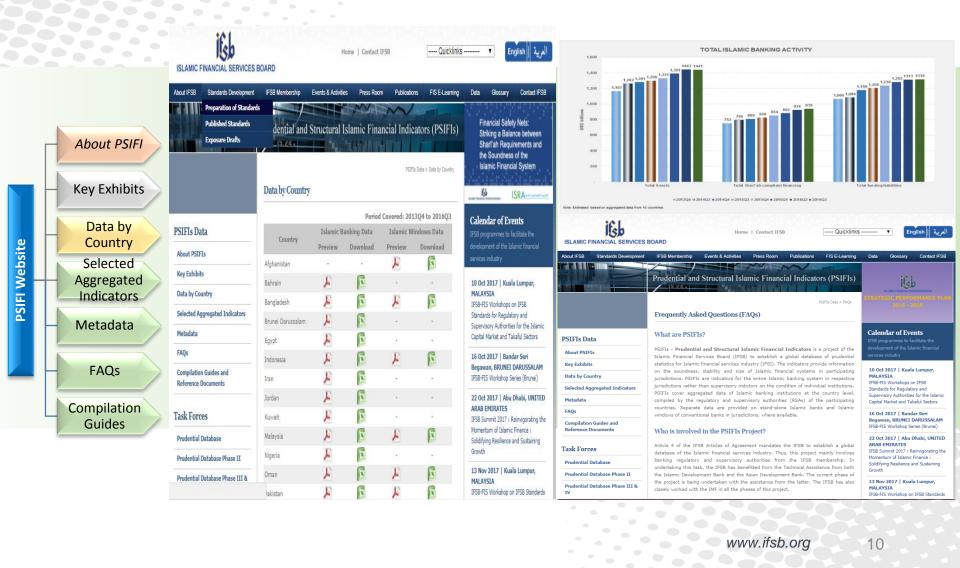
Value (or percentage) of financing by type of *Sharī`ah*-compliant contract

Assets held by D-SIBs

PSIFIs are benchmarked against the Financial Soundness Indicators (FSI) programme of the IMF



IFI DISSEMINATION ON THE IFSB WEBSITE



MAIN STRENGTH OF THE DATABASE: A COMPREHENSIVE REVIEW PROCESS

- A Taskforce comprising of two members of each banking RSAs submit their data/metadata to the IFSB;
- IFSB follows a comprehensive review process through discussion in capacity building meetings as well as in email communications;
- The banking RSA submit the revised set of data based on discussion in the review process;
- Thereafter, both IFSB and Taskforce members have to agree on a final set of data/metadata;
- Finally, the IFSB requests the RSA to submit the final data set along with an approval letter signed off
 by a high official of the respective RSA permitting the IFSB to disseminate the data on the IFSB
 website (http://psifi.ifsb.org).
- The IFSB disseminates macro level country data in both pdf and xls formats separately for Islamic banking and Islamic windows.
- The IFSB issues a press release on each dissemination date.
- The IFSB also produces aggregated global indicators and key exhibits and disseminates on the IFSB website.



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IDENTIFICATION OF RISKS IN THE FINANCIAL SECTOR

For Overall Financial Sector Credit Risk Context for the financial sector stability PSIFIs identify Market Risk generic risks that Need to reduce the likelihood of systemic risks and limit their severity affect all banks Liquidity Risk Macro-prudential surveillance including IIFS Effective crisis management Operational Risk Can anticipate risks/imbalances in system so that actions to prevent or ameliorate Therefore, PSIFIs: crises can be taken (Early Warning System) PSIFIs identify unique risks in Islamic finance Displaced **Rate of Return** Shariah Non-Equity Commercial compliant risk Risk **Investment Risk** Risk Therefore, PSIFIs are used for financial sector surveillance in: Financial sector stability Macroeconomic stability Unique risk management of IIFS



THE ULTIMATE OBJECTIVES AND IMPACT OF PSIFI

Objectives

- Increase comparability on the resilience of the Islamic finance systems between various jurisdictions
- Enhance comparison between conventional and Islamic finance sector within a jurisdiction
- Integrate Islamic finance into global surveillance mechanism

Application

- Unique indicators that enable surveillance and supervision of differentiated risks in Islamic banking
- Collection of timeseries data to support formulation of prudential and development policies
- Basis to monitor and anticipate potential vulnerabilities of Islamic financial system





Implementation of IFSB Standards



Compliance in Consistency



Soundness



PSIFI FOR FINANCIAL SECTOR SOUNDNESS

To assess the capacity of the financial sector to absorb losses and sustain earning to maintain adequate capital, as measured by capital adequacy and profitability indicators

To monitor asset quality of the financial sector

To monitor financial sector vulnerabilities using leverage and liquidity indicators

To monitor sensitivity to foreign risks, exposure and concentration to financing by activity/contracts

Core

Capital adequacy

- ☐ Capital adequacy ratio
- ☐ Tier 1 capital to RWA
- □ Common equity Tier 1 (CET1) capital to RWA

Earnings

- ☐ Return on assets (ROA)
- ☐ Return on equity (ROE)
- Net profit margin
- ☐ Cost to income
- ☐ Gross nonperforming financing (NPF) ratio
- ☐ Net nonperforming financing (Net NPF) to capital
- ☐ Provisions for Gross NPF
- ☐ Capital to assets Leverage (regulatory definition)
- ☐ Liquid assets ratio
- ☐ Liquid assets to short-term liabilities
- ☐ Liquidity coverage ratio (LCR)
- Net stable funding ratio (NSFR)
- ☐ Net foreign exchange open position to capital
- ☐ Large exposures to capital
- ☐ Growth of financing to private sector
- ☐ Total value of *Sharī`ah*-compliant financing by economic activities

Additional

- □ Income distributed to investment account holders (IAH) out of total income from assets funded by PSIA
- □ Value (or percentage) of returns by major type of Sharī ah-compliant contract

Structural

- ☐ Total
- Revenues
 Earnings
 before
 taxes and
 Zakat

- ☐ Value (or percentage) of gross NPF by economic activities
- ☐ Total off-balance sheet items to total assets
- ☐ Value of Sukūk holdings to capital
- ☐ FC denominated funding to total funding
- ☐ FC financing to total financing
- □ Sharī`ah-compliant financing by economic activity



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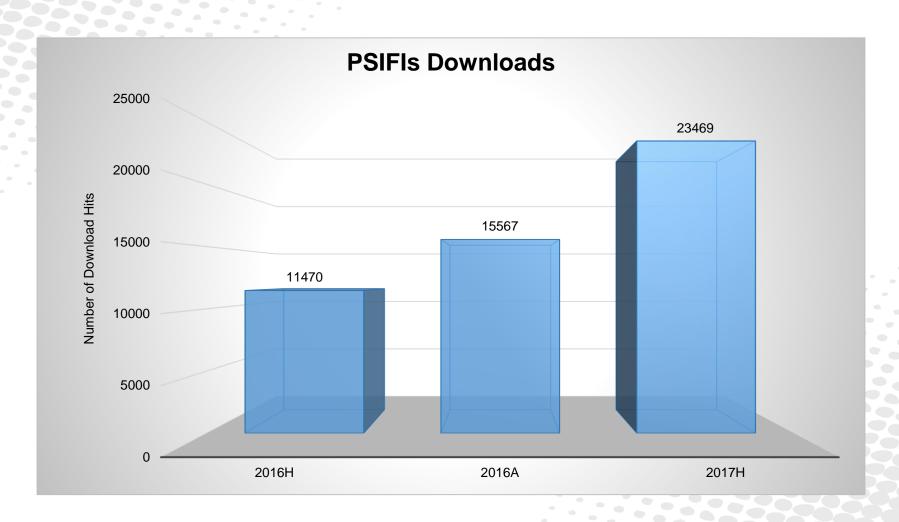
WHAT ARE THE USES/IMPLICATIONS OF THE PSIFI PROGRAMME?

Uses of PSIFIs Data: Some References

- Islamic Financial Services Board (IFSB). 2017. Islamic Financial Services Industry Stability Report. http://www.ifsb.org/docs/IFSB%20IFSI%20Stability%20Report%202017.pdf
- Islamic Financial Services Board (IFSB). 2016. Islamic Financial Services Industry Stability Report http://www.ifsb.org/docs/IFSI%20Stability%20Report%202016%20(final).pdf
- Islamic Finance News. 2016. Islamic Finance News Reports Islamic Banks: Sustaining the Theme of Resilience, 5th July 2016 (Volume 13 Issue 27).
- The World Bank Group Islamic Development Bank Group. 2016. Global Report on Islamic Finance: Islamic Finance A Catalyst for Shared Prosperity. September 2016.
- International Monetary Fund. 2017. Ensuring Financial Stability in Countries with Islamic Banking. Policy Paper. 21 February 2017.
- Mokhtar, H. S. A (2017). Soundness Indicators for Islamic Financial Services Industry. Conference Presentation. Conference on Soundness Indicators for conventional and Islamic Finance, 1-2 March 2017, Abu Dhabi.
- Qatar Central Bank. 2015. Financial Stability Review 2015 http://www.qcb.gov.qa/English/Publications/ReportsAndStatements/Documents/7thStabilityReview2015.pdf



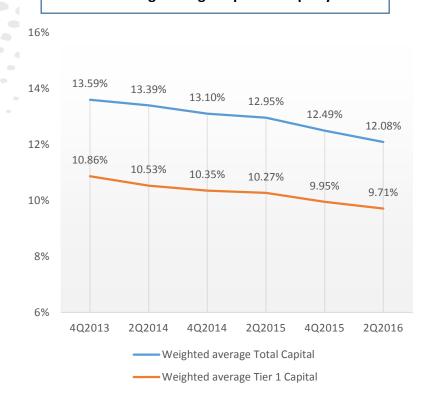
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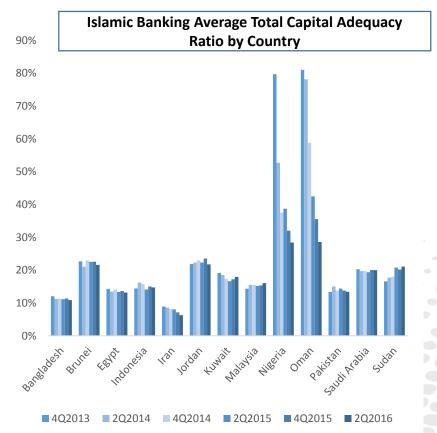


ES: USES OF PSIFI DATA

Islamic Banking Average Capital Adequacy Ratios



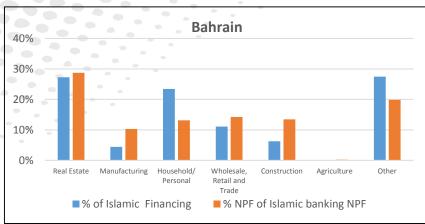
^{*2}Q2016 data for Sudan not available; 1Q2016 data used. *4Q2013 data for Iran not available; 1Q2014 data used. Source: Islamic Financial Services Industry Stability Report 2017

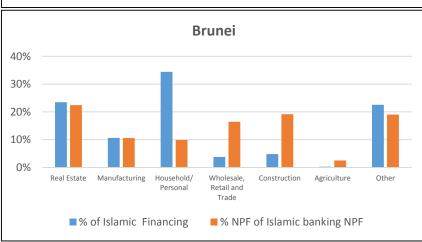


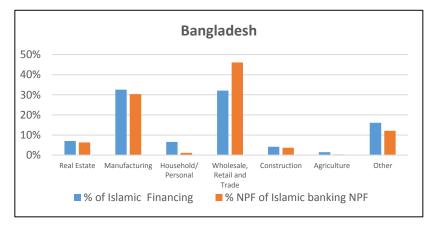
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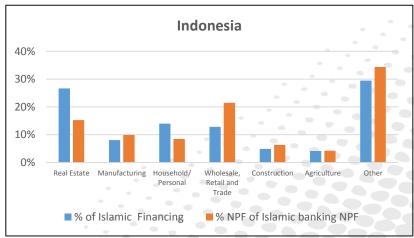


Islamic Banking Sectoral Composition of Financing and NPF by Country



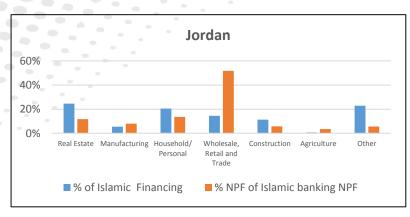


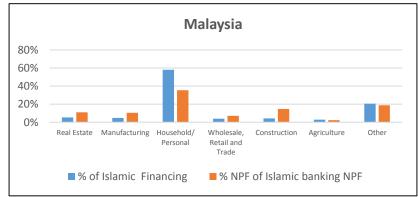


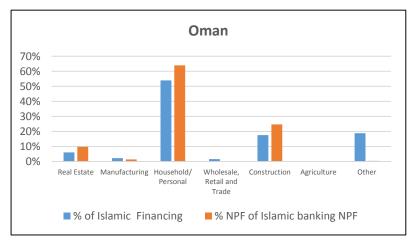


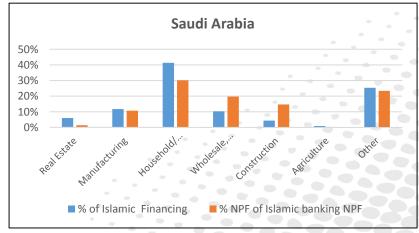


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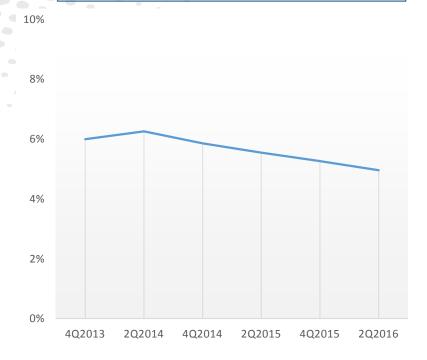






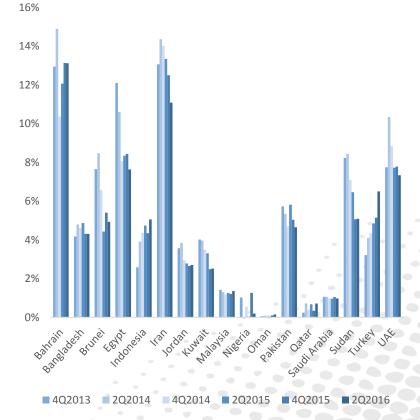


Islamic Banking Average Gross Non-Performing Financing to Total Financing



*2Q2016 data for Sudan not available; 1Q2016 data used. *4Q2013 data for Iran not available; 1Q2014 data used. Source: Islamic Financial Services Industry Stability Report 2017

Islamic Banking Average Gross Non-Performing Financing to Total Financing by Country

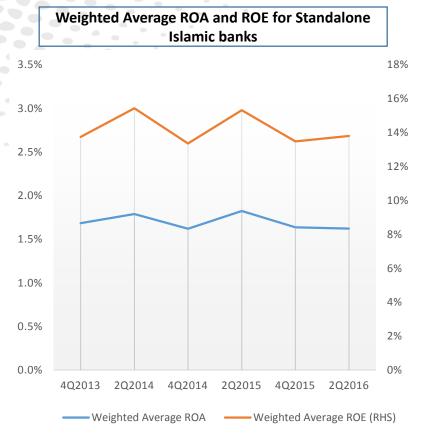


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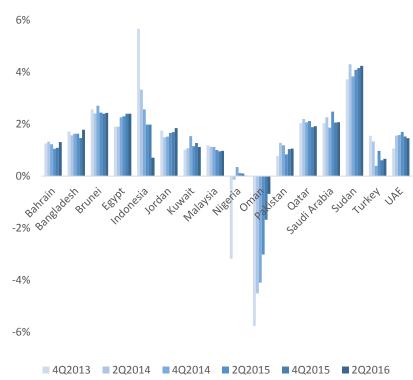
Source: Islamic Financial Services Industry Stability Report 2017





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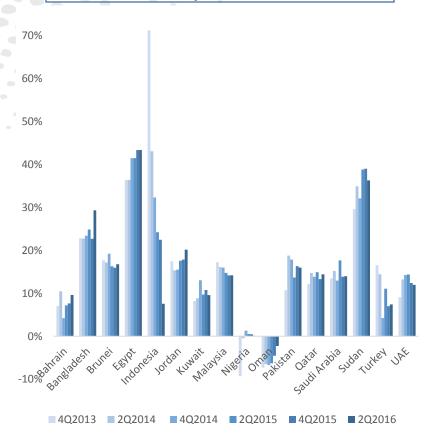
Average ROA for Standalone Islamic banks by Country



*2Q2016 data for Egypt and Sudan not available; 1Q2016 data used. Source: Islamic Financial Services Industry Stability Report 2017



Average ROE for Standalone Islamic Banks by Country Islamic banks



*2Q2016 data for Egypt and Sudan not available; 1Q2016 data used.

Source: Islamic Financial Services Industry Stability Report 2017

Islamic Banking Average Net Profit Margin

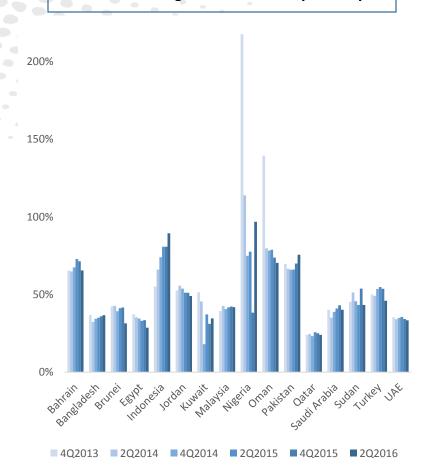


^{*2}Q2016 data for Afghanistan, Egypt and Sudan not available; 1Q2016 data used. Source: Islamic Financial Services Industry Stability Report 2017



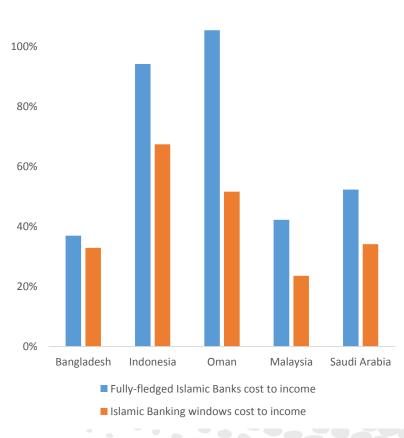
120%

Islamic Banking Cost-to-Income by Country



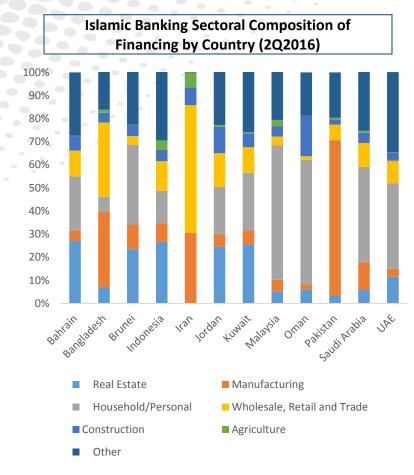
Source: Islamic Financial Services Industry Stability Report 2017

Cost to Income (Standalone Islamic Banks and Islamic Banking Windows) as at 2Q2016



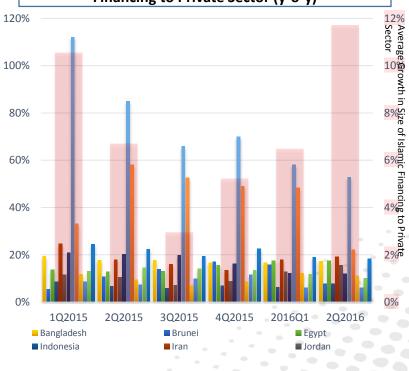
Source: Islamic Financial Services Industry Stability Report 2017





Source: Islamic Financial Services Industry Stability Report 2017





^{*2}Q2016 data for Afghanistan, Egypt and Sudan not available; 1Q2016 data used.

Source: Islamic Financial Services Industry Stability Report 2017

^{*4}Q2013 data for Iran not available; 1Q2014 data used.

^{*1}Q2014 and 3Q2014 data for Jordan not available, 4Q2013 and 2Q2014 data used respectively.



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DATA GAPS IN ISLAMIC FINANCIAL SERVCIES INDUSTRY – A CASE FOR WORKING ON UNIQUE ELEMENTS

	AREA OF REQUIRED DATA	ACTIONS TAKEN	Coverage/Remarks	
	Macro level banking data	IFSB's PSIFIs programme	PSIFIs currently covers 95% of global data	
	Macro level windows data	IFSB's PSIFIs programme	PSIFIs currently covers 95% of global data	
4 . A	Macro level capital market data	Bloomberg Islamic Finance Platform (ISLM) Thomson Reuters Zawya (TRZ) IFSB's plan (started implementation)	ISLM produces indices on <i>Sukuk</i> , equity, and Takaful. TRZ published information on Shariah-compliant asset classes and instruments. IFSB will start live data collection for macro level capital market data in 2018	
	Macro level Takaful data	IFSB's plan (started implementation)	IFSB will start live data collection in 2018	
	Islamic finance indicators in System of National Accounts (SNA)	The UN initiated Intersecretariat Working Group on National Accounts (ISWGNA)	Need to implement	
	Institution level banking data	 IRTI's Islamic Banks and Financial Institutions Information System (IBIS) Bank Scope 	Both project are not very active Need to start work in this area	
	Institution level insurance data	Insurance directory	Not specific to Takaful sector Need to start work in this area	
	Islamic microfinance data (Country and institution levels)	-	Need to start work in this area	
	Non bank Islamic Financial Institutions' data (Macro and institution levels)	-	Need to start work in this area	702

Potential area where the industry has sustainable database

> Data gaps reflect scope of works

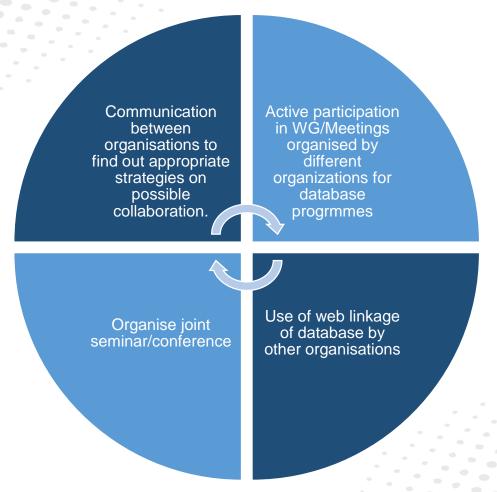


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Collaboration and coordination will enhance synergy for database initiatives and will reduce duplication of efforts



KEY TAKEAWAYS

- Islamic finance industry needs a quality database to track its stability and soundness. Within a short period of time, the PSIFIs database has been able to effectively fill this gap.
- The PSIFIs database provides critical information on some unique indicators (e.g., PSIA, Shari'ah-compliant financing). It provides important feedback for the development and implementation of regulatory, supervisory and accounting standards on Islamic finance (e.g. standards/guidelines issued by IFSB, AAOIFIs)
- Countries' reporting status on the indicators is increasing gradually...
- the PSIFIs data holds about 95% of global Islamic banking industry of 21 key Islamic finance countries.
- PSIFIs compile soundness indicators for Islamic banking industry only. Soundness indicators for other sectors such as ICM and Takaful will also fill major gaps in stability analysis of these sectors.
- PSIFIs, in future, can focus on collecting data for consolidated balance sheets and income statements from the countries.
- In addition to the PSIFIs initiatives, the industry needs focus on establishing database for Islamic finance indicators in SNA, institution level data for banking, non banking, and microfinance indicators.



Thank you

Md. Salim Al Mamun

Member of Secretariat, Technical and Research

Email: salim@ifsb.org